

$$\begin{aligned}
\Phi(x, \mathbf{k}_\perp) &= \frac{1}{2} \left[ f_1 \not{h}_+ + f_{1T}^\perp \frac{\epsilon_{\mu\nu\rho\sigma} \gamma^\mu n_+^\nu k_\perp^\rho S_T^\sigma}{M} + \left( S_L g_{1L} + \frac{\mathbf{k}_\perp \cdot \mathbf{S}_T}{M} g_{1T}^\perp \right) \gamma^5 \not{h}_+ \right. \\
&\quad + h_{1T} i\sigma_{\mu\nu} \gamma^5 n_+^\mu S_T^\nu + \left( S_L h_{1L}^\perp + \frac{\mathbf{k}_\perp \cdot \mathbf{S}_T}{M} h_{1T}^\perp \right) \frac{i\sigma_{\mu\nu} \gamma^5 n_+^\mu k_\perp^\nu}{M} \\
&\quad \left. + h_1^\perp \frac{\sigma_{\mu\nu} k_\perp^\mu n_+^\nu}{M} \right]
\end{aligned}$$